

AntonÃ-n Kintl

List of Publications by Year in descending order

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Version: 2024-02-01

63
papers

861
citations

623734

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526287

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64
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64
times ranked

708
citing authors

#	ARTICLE	IF	CITATIONS
1	Rhizosphere Bacteria in Plant Growth Promotion, Biocontrol, and Bioremediation of Contaminated Sites: A Comprehensive Review of Effects and Mechanisms. <i>International Journal of Molecular Sciences</i> , 2021, 22, 10529.	4.1	149
2	A critical review of the possible adverse effects of biochar in the soil environment. <i>Science of the Total Environment</i> , 2021, 796, 148756.	8.0	113
3	Glomalin “ Truths, myths, and the future of this elusive soil glycoprotein. <i>Soil Biology and Biochemistry</i> , 2021, 153, 108116.	8.8	82
4	Effect of Cadmium-Tolerant Rhizobacteria on Growth Attributes and Chlorophyll Contents of Bitter Gourd under Cadmium Toxicity. <i>Plants</i> , 2020, 9, 1386.	3.5	62
5	Long-Term Effects of Biochar-Based Organic Amendments on Soil Microbial Parameters. <i>Agronomy</i> , 2019, 9, 747.	3.0	50
6	Chemical Composition and Hazardous Effects of Leachate from the Active Municipal Solid Waste Landfill Surrounded by Farmlands. <i>Sustainability</i> , 2020, 12, 4531.	3.2	48
7	Deep placement of nitrogen fertilizer improves yield, nitrogen use efficiency and economic returns of transplanted fine rice. <i>PLoS ONE</i> , 2021, 16, e0247529.	2.5	25
8	Environmental risk assessment and consequences of municipal solid waste disposal. <i>Chemosphere</i> , 2018, 208, 569-578.	8.2	23
9	Response of Microbial Activities in Soil to Various Organic and Mineral Amendments as an Indicator of Soil Quality. <i>Agronomy</i> , 2019, 9, 485.	3.0	18
10	Leaching of mineral nitrogen in the soil influenced by addition of compost and N-mineral fertilizer. <i>Acta Agriculturae Scandinavica - Section B Soil and Plant Science</i> , 2017, 67, 607-614.	0.6	17
11	Mixed Intercropping of Wheat and White Clover to Enhance the Sustainability of the Conventional Cropping System: Effects on Biomass Production and Leaching of Mineral Nitrogen. <i>Sustainability</i> , 2018, 10, 3367.	3.2	17
12	Humic Acid Mitigates the Negative Effects of High Rates of Biochar Application on Microbial Activity. <i>Sustainability</i> , 2020, 12, 9524.	3.2	17
13	Possibilities of Using White Sweetclover Grown in Mixture with Maize for Biomethane Production. <i>Agronomy</i> , 2020, 10, 1407.	3.0	17
14	Mixed Culture of Corn and White Lupine as an Alternative to Silage Made from Corn Monoculture Intended for Biogas Production. <i>Bioenergy Research</i> , 2019, 12, 694-702.	3.9	15
15	Effect of carbon-enriched digestate on the microbial soil activity. <i>PLoS ONE</i> , 2021, 16, e0252262.	2.5	15
16	Biochar and Sulphur Enriched Digestate: Utilization of Agriculture Associated Waste Products for Improved Soil Carbon and Nitrogen Content, Microbial Activity, and Plant Growth. <i>Agronomy</i> , 2021, 11, 2041.	3.0	14
17	Effect of Seed Coating and PEG-Induced Drought on the Germination Capacity of Five Clover Crops. <i>Plants</i> , 2021, 10, 724.	3.5	12
18	Bentonite-Based Organic Amendment Enriches Microbial Activity in Agricultural Soils. <i>Land</i> , 2020, 9, 258.	2.9	11

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19	Influence of Fertilization on Microbial Activities, Soil Hydrophobicity and Mineral Nitrogen Leaching. <i>Ecological Chemistry and Engineering S</i> , 2015, 21, 661-675.	1.5	11
20	Evaluation of <i>Jatropha curcas</i> L. leaves mulching on wheat growth and biochemical attributes under water stress. <i>BMC Plant Biology</i> , 2021, 21, 303.	3.6	10
21	Assessing the potential of biochar aged by humic substances to enhance plant growth and soil biological activity. <i>Chemical and Biological Technologies in Agriculture</i> , 2021, 8, .	4.6	10
22	Comparison of the Agricultural Use of Products from Organic Waste Processing with Conventional Mineral Fertilizer: Potential Effects on Mineral Nitrogen Leaching and Soil Quality. <i>Agronomy</i> , 2020, 10, 226.	3.0	9
23	Nano Zero Valent Iron (nZVI) as an Amendment for Phytostabilization of Highly Multi-PTE Contaminated Soil. <i>Materials</i> , 2021, 14, 2559.	2.9	9
24	The Potential of Biochar Made from Agricultural Residues to Increase Soil Fertility and Microbial Activity: Impacts on Soils with Varying Sand Content. <i>Agronomy</i> , 2021, 11, 1174.	3.0	9
25	The Digestion of Waste from Vegetables and Maize Processing. <i>Waste and Biomass Valorization</i> , 2020, 11, 2467-2473.	3.4	8
26	Fertilization with Magnesium- and Sulfur-Supplemented Digestate Increases the Yield and Quality of Kohlrabi. <i>Sustainability</i> , 2020, 12, 5733.	3.2	8
27	Cattle Manure Fermented with Biochar and Humic Substances Improve the Crop Biomass, Microbiological Properties and Nutrient Status of Soil. <i>Agronomy</i> , 2022, 12, 368.	3.0	8
28	Using the Mixed Culture of Fodder Mallow (<i>Malva verticillata</i> L.) and White Sweet Clover (<i>Melilotus</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	3.0	8
29	Study on the (bio)degradation Process of Bioplastic Materials under Industrial Composting Conditions. <i>Acta Universitatis Agriculturae Et Silviculturae Mendelianae Brunensis</i> , 2017, 65, 791-798.	0.4	7
30	Biochar-Assisted Phytostabilization for Potentially Toxic Element Immobilization. <i>Sustainability</i> , 2022, 14, 445.	3.2	7
31	Clover Species Specific Influence on Microbial Abundance and Associated Enzyme Activities in Rhizosphere and Non-Rhizosphere Soils. <i>Agronomy</i> , 2021, 11, 2214.	3.0	6
32	Manure Maturation with Biochar: Effects on Plant Biomass, Manure Quality and Soil Microbiological Characteristics. <i>Agriculture (Switzerland)</i> , 2022, 12, 314.	3.1	6
33	Impact of Maize Harvest Techniques on Biomethane Production. <i>Bioenergy Research</i> , 2021, 14, 303-312.	3.9	5
34	COUMARIN CONTENT IN SILAGES MADE OF MIXED CROPPING BIOMASS COMPRISING MAIZE AND WHITE SWEET CLOVER. , 2019, , .		4
35	Does Digestate Dose Affect Fodder Security and Nutritive Value?. <i>Agriculture (Switzerland)</i> , 2022, 12, 133.	3.1	4
36	Deciphering the Effectiveness of Humic Substances and Biochar Modified Digestates on Soil Quality and Plant Biomass Accumulation. <i>Agronomy</i> , 2022, 12, 1587.	3.0	4

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37	Nitrogen and Phosphorus Availability Effect on Activity of Cellulolytic Microorganisms in Meadows. Acta Universitatis Agriculturae Et Silviculturae Mendelianae Brunensis, 2016, 64, 1173-1179.	0.4	3
38	Using Waste Sulfur from Biogas Production in Combination with Nitrogen Fertilization of Maize (Zea mays L.) in the Overlock 10 Trial. Journal of Applied Ecology, 2019, 6, 1-10.	3.9	3
39	Potential effect of wetting agents added to agricultural sprays on the stability of soil aggregates. Soil, 2022, 8, 349-372.	4.9	3
40	EVALUATION OF VARIABLE RATE APPLICATION OF FERTILIZERS BY PROXIMAL CROP SENSING AND YIELD MAPPING. , 2019, , .		2
41	USE OF ORGANIC-MINERAL FERTILIZERS AS ALTERNATIVE TO CONVENTIONAL ORGANIC AND MINERAL FERTILIZERS: EFFECT ON SOIL QUALITY. , 2019, , .		2
42	VARIABLE RATE NITROGEN APPLICATION IN WHEAT PRODUCTION ON THE BASIS OF SATELLITE IMAGES ANALYSIS TO INCREASE YIELD AND REDUCE ENVIRONMENTAL RISKS. , 2018, , .		2
43	Deciphering the Potential Role of Symbiotic Plant Microbiome and Amino Acid Application on Growth Performance of Chickpea Under Field Conditions. Frontiers in Plant Science, 2022, 13, .	3.6	2
44	Application of extended BBCH scale for studying the development of Phacelia tanacetifolia Benth.. Annals of Applied Biology, 2022, 181, 332-346.	2.5	2
45	Biochar Role in Soil Carbon Stabilization and Crop Productivity. , 2021, , 1-46.		1
46	Soil Agrochemical Changes after Kieserite Application into Chernozem and its Effect on Yields of Barley Biomass. Agriculture, 2018, 64, 183-188.	0.4	1
47	EFFECT OF MAIZE AND LEGUME MIXED CROPPING ON SOIL QUALITY IN RELATION TO PLANTING DENSITY. , 2019, , .		1
48	Influence of Boron and Drought Simulation on Germinability and Hardseededness of Black Medick Seeds (Medicago lupulina L.). Journal of Plant Growth Regulation, 2023, 42, 1704-1719.	5.1	1
49	The efficiency of nutrient utilization by permanent grassland in the Kamenický locality. Acta Universitatis Agriculturae Et Silviculturae Mendelianae Brunensis, 2013, 61, 1799-1806.	0.4	0
50	EFFECT OF SOIL PHYSICAL PROPERTIES DEGRADATION ON SOIL RETENTION CAPACITY USING AN EXAMPLE OF CAMBISOLS. , 2018, , .		0
51	TREATED AND UNTREATED WASTEWATER AS ALTERNATIVE WATER SOURCE IN AGRICULTURE: EFFECT ON SOIL QUALITY, LEACHING OF MINERAL NITROGEN FROM SOIL AND BIOMASS PRODUCTION. , 2018, , .		0
52	ASSESSING THE BIOLOGICAL YIELD WITH LAND EQUIVALENT RATIOS (LER) OF SIX VARIANTS WITH MIXED CULTURE OF CORN (ZEA MAIS) AND LEGUMES. , 2018, , .		0
53	NITROGEN USE EFFICIENCY IN WINTER WHEAT 1/2 WINTER PEA INTERCROPPING SYSTEM. , 2018, , .		0
54	POTENTIAL USE OF LEGUME IN MAIZE CROPPING SYSTEM TO INCREASE THE ROOT SYSTEM IN ORDER TO PREVENT SOIL EROSION. , 2018, , .		0

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55	LEGUME AND GRASS BIOMASS AS AN ALTERNATIVE SUBSTRATE FOR BIOGAS PRODUCTION ĩ½ THEORETICAL METHANE YIELD. , 2019, , .		0
56	NITROGEN USE EFFICIENCY OF WHEAT AND WHITE CLOVER MIXED CULTURE ĩ½ LYSIMETRIC EXPERIMENT. , 2019, , .		0
57	FACTORS AFFECTING THE C: N RATIO IN POST-HARVEST RESIDUES AND THEIR PRACTICAL IMPACT. , 2019, , .		0
58	DIFFERENT TYPES OR MANURE AMENDED TO SOIL VARY IN EFFECT ON PH AND AMMONIA OXIDIZING BACTERIA. , 2019, , .		0
59	MONITORING OF SOIL HEALTH AND QUALITY WITHIN AN ENTERPRISE USING CONVECTIONAL FARMING SYSTEM. , 2019, , .		0
60	EVALUATION OF FLAT AND VARIABLE RATE NITROGEN APPLICATION EFFECT ON WINTER WHEAT YIELD ON THE BASIS OF YIELD MAPS. , 2019, , .		0
61	COMPARISON OF MINERAL NITROGEN LEACHING IN CONVENTIONAL AND MIXED CROPPING SYSTEM. , 2019, , .		0
62	RESPONSE OF CLOVER TO FERTILIZATION WITH NITROGEN AND PHOSPHORUS ĩ½ EFFECT ON CONTENT OF PLANT AVAILABLE NUTRIENT IN SOIL AND BIOMASS YIELD. , 2020, , .		0
63	SOIL BIOSTIMULANT COMPARISON TO NPK FERTILIZATION IN RELATIONSHIP TO IMPROVEMENT OF RHIZOSPHERE FUNCTION. , 2020, , .		0